PPINIT and FCINIT

How full are your files?

- It is important to avoid filling up your OFS Data Base.
- Check to see how full your files are before doing much redefining or adding new data.
- You can monitor the percent full of your database with PPINIT @STATUS and FCINIT STATUS.
 - ► @STATUS also works with FCINIT.
- Look for the % Used columns in the STATUS output.
- FCINIT puts the information at the top of the file.
- PPINIT sprinkles the information throughout the output, but gives a warning if the % Used is more than 95%.

PPINIT @STATUS example

	/f	s/awips/rfc/n	wsrfs/ofs/	output/	edwin	iles estado de		il michilian ida			-	إلا
0- DATA FILE STATUS -											/	ш
0 MAXIMUM NUMBER OF DAILY DATA FILES =		F DAILY DATA										
0	MAXIMUM LAST				FILE							ш
CONTENTS	RECORDS RECOR	RD USED) NU	MBER	NAME							Ш
1	10045	7075				-						ш
1 INDEX		7075 28723	N/A 47	80 81	PDBINDE	•						ш
2 RRS DATA (PRIMARY) 3 DAILY DATA			N/A	82	PDBRRS PDBDLY1							ш
4 DAILY DATA AND RRS DATA (FREEPOOL)			N/A	83	PDBDL 11							ш
5 DAILY DATA			N/A	84	PDBDL 12							ш
6 DAILY DATA	723		N/A	85	PDBDLY4							ш
1NWSRFS FORECAST SYSTEM - PROGRAM PPINIT			20/00)		NCRFC	DAT	E=Jan	31. 200	01 @ 08.58	PAGE= 3		
0	(Ambion, D.)	12/	20,007	7.7.				01, 200	2 00.50	LINE- J		
0- DAILY DATA TYPE STATUS -												
	ES DEFINED = 27											
0 TIME ZONE CODE = CST												ш
O DATA MAXIMUM FIRST DAY LAST	DAYEN	NTRIES	POIN	TER WO	RDS	DAT	A WORD	S	FILE			ш
TYPE DAYS OF DATA OF DA	TA MAX U	USED %USED	MAX	USED	%USED 1	(AX	USED	%USED	NAME			ш
												ш
		3235 92	17500			3520		92	PDBDLY1			ш
	/01/06 660	616 93	2640	2464	93	2688	2488	93	PDBDLY2			
3 TAVR 10 01/03/01/06 01/12	/01/06 250	206 82	750	618	82	3616	3500	97	PDBDLY2			ш
0*** WARNING - PERCENT OF DATA WORDS USE	D (97) EXCEEDS	95 PERCENT	FOR DAT	A TYPE	TAVR.							41
+*** WARNING												ш
+*** WARNING		000	4850				55.0					ш
	/01/06 350	329 94		1645	94	704	658	93	PDBDLY3			
5 MDR6 10 01/03/01/06 01/12	/01/06 1470	0 N/A	0	0	N/A	5888	0	N/A	PDBDLY3			ш
C 7704 15 10 (20 (00 (00 00	(01.00) 100	100 71	100	106	74	200	010	CC	DODDO VA			
6 TF24 15 12/30/00/06 01/16 7 EA24 10 01/03/01/06 01/12	/01/06 150 /01/06 50	106 71 7 14	150 50	106 7	71 14	320 320	212 42	66 13	PDBDLY4 PDBDLY4			
	/01/06 50 /01/06 50	0 0	28	28	0	160	42	13	PDBDL 14 PDBDL Y4			
	/99/06 50	0 0	28 0	28 0	0	100	Ö	Ö	PDBDLY3			
	/99/06 0	0 N/A	Ö	ŏ	N/A	ŏ	ŏ	N/A	PDBDLY4			
0 12/31/33/00 12/31	755700 0	U M/A	U	· ·	MAIN	· ·	U	M/A	LDDDLIA			
11 PG24 0 12/31/99/06 12/31	/99/06 0	0 N/A	0	0	N/A	0	0	N/A	PDBDLY1			
	DEFINED = 4468	PERCENT			21/21		0	14/11	ZDDDLI1			
O MAXIMUM DAYS BETWEEN LAST OBSERVED DA												
0- DAILY DATA TYPE POINTER RECORD STATUS				10000								
0*** NOTE - 0 DELETED SLOTS FOUND IN		RAY.										
p_status.20010131.135809 (61%)											7	

FCINIT STATUS example

```
/fs/awips/rfc/nwsrfs/ofs/output/edwin
1NWSRFS FORECAST SYSTEM - PROGRAM FCINIT
                                          (VERSION: 5.2.30
                                                            -12/20/00)
                                                                             USER=NCRFC
                                                                                            DATE=Jan 31, 2001 - 09:03:18
O>>>>>> STATUS
                                                                                              DINPUT CARDS FOR COMMAND STATUS:
1NWSRFS FORECAST SYSTEM - FORECAST COMPONENT STATUS REPORT
                                                                                            DATE=Jan 31, 2001 - 09:03:18
                                                                             USER=NCRFC
01. DIMENSIONS FOR USER NORFO
     18 CARRYOVER GROUPS HAVE BEEN DEFINED
     54 FORECAST GROUPS HAVE BEEN DEFINED (INCLUDING OBSOLETE DEFINITIONS)
   1433 SEGMENTS HAVE BEEN DEFINED (INCLUDING OBSOLETE DEFINITIONS)
    861 RATING CURVES HAVE BEEN DEFINED (INCLUDING OBSOLETE DEFINITIONS)
0- DATA FILE STATUS -
   CONTENTS
                                         ENTRY TYPE
                                                                      MUMIXAM
                                                                                       USED
                                                                                                       %USED
                                                                                                          74
    CARRYOVER
                                           10 SLOTS - EACH SLOT HAS:
                                                                     249600 WORDS
                                                                                       183627 WORDS
                                                                                                          61
   PARAMETERS
                                          100 WORD RECORDS
                                                                       53922 RECORDS
                                                                                        33051 RECORDS
                                                                                                          72
                                                                         25
    CARRYOVER GROUP DEFINITION
                                         CARRYOVER GROUPS
                                                                         579
                                                                                          54
    FORECAST GROUP STATUS
                                         FORECAST GROUPS
                                                                        2655
    FORECAST GROUP SEGMENT LIST
                                         SEGMENT IDENTIFIERS
    SEGMENT POINTER AND STATUS
                                         SEGMENTS
   RATING CURVE POINTER AND DEFINITION
                                         RATING CURVES
DAVERAGE LENGTH OF THE 1076 P ARRAYS IS
                                        1204 WORDS
OAVERAGE LENGTH OF THE 1076 C ARRAYS IS
                                         110 WORDS
02. DEFAULTS FOR USER NCRFC
   TECHNIQUE
                VALUE
   NOUTZ
                 -6(CST )
    NOUTDS
                 0
    FUTPRECP
                 0
   METRIC
    PRINTOUT
   PRINTSNW
    PRINTSMA
   PLOTHYD
    TABLES
    SNOW
    UPWE
    UPSC
  status.20010131.140317 (0%)
```

- The OFS parameters must be updated when:
 - You create new basin boundaries
 - ► New stations or forecast points come on line
 - ► Old stations are removed from service
 - ► The data time step changes
 - One model is replaced by another
 - A basin is broken into smaller modeling units
 - Calibrations result in new model parameters
 - Updating rating curves
 - ► And so on

PPINIT

- Adding new STATIONS, AREAS, BASINS:
 - ► @DEFINE [STATION, AREA, BASIN]
 - New stations come on line
 - A basin is broken into smaller modeling units
- Updating STATIONS, AREAS, BASINS:
 - @DEFINE [STATION, AREA, BASIN] OLD
 - New basin boundaries
 - The data time step changes
 - A basin is broken into smaller modeling units

PPINIT

- Removing obsolete information:
 - ► @DELETE [STATION, AREAS, BASINS]
 - When you delete a station or an area the PPDB data allocations and the PRD time series associated with that station or area are also deleted.
 - You cannot delete a station or an area that has a time series used in a Segment.
 - You cannot delete a station that is used in a predetermined weighting scheme for another station or for an area.

FCINIT

- Update a SEGMENT:
 - ► RESEGDEF
 - A basin is broken into smaller modeling units
 - Calibrations result in new model parameters
 - The data time step changes
- Carryover transfer process when doing RESEGDEF:
 - Depends on the Operation
 - ▶ Rules can be found in the documentation for the Operation
 - Carryover is updated to reflect parameter changes

FCINIT

- Add a new Segment:
 - ► SEGDEF, FGDEF, CGDEF
 - A basin is broken into smaller modeling units
 - New stations of forecast points come on line
 - You enter your own carryover for new Operations
- Update rating curves:
 - ► DEFRC
 - Can update either forecast point information or stagedischarge relationship
- Add Special Forecast Groups:
 - ► SPECIALFG
 - Especially useful for ESP

FCINIT

- Deleting segments
 - ► DELETE [SEGMENT, CGROUP, FGROUP]
 - Must delete Carryover and Forecast Group first
 - Output time series from a Segment will also be deleted from PRD